B.Sc/BCA DEGREE (CBCS) EXAMINATION, NOVEMBER 2020

Second Semester

Core Course - CS2CRT04 - DATA BASE MANAGEMENT SYSTEMS

(Common for B.Sc Computer Applications Model III Triple Main ,Bachelor of Computer Application)

2017 ADMISSION ONWARDS

69538118

Time: 3 Hours

Max. Marks : 80

Part A

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What do mean by data and information?

2. List different type of data models used?

3. Differentiate DDL and DML

4. Explain the difference among an entity, an entity type and an entity set?

5. Why tuples in a relation are not ordered?

6. Explain EXCEPT operator

7. List out different types of join operation?

8. Give the syntax of any two aggregate functions

9. Why should we avoid Null values in a relation?

10. What is clustering index?

11. What is rollback?

12. What you mean by Revoking a Privilege?

(10×2=20)

Part B

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. Explain data independence

14. Explain the uses of Query Evaluation Engine.

15. Explain structural constraints.

16. Compare implicit and explicit constraints

17. Explain different forms of SELECT command

18. What is the purpose of order by clause with an example?

19. Discuss the general anomalies and functional dependency in a relation

20. Explain 2NF with example?

21. Explain the control measures that are used to provide security of data in databases?

(6×5=30)

Part C

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain database users and how they interact with the database

23. Discuss the naming and displaying conventions used for ER diagrams.

24. Write short notes on (a) DDL commands used in SQL (b)Give SQL statement which creates a STUDENT table consisting of name and mark

25. Summarize normal forms based on primary keys and the corresponding normalization process.

(2×15=30)